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Large repositories of 3D data are rapidly becoming available in several f
 molecular biology, and computer graphics. As the number of 3D models
 computer algorithms to help people find ...

2 [Information retrieval on the web](#)[Mei Kobayashi, Koichi Takeda](#)June 2000 **Computing Surveys (CSUR)**, Volume 32 Issue 2**Publisher:** ACM [Request Permissions](#)Full text available: [Pdf](#) (213.89 KB)Additional Information: [full citation](#), [abstra](#)**Bibliometrics:** Downloads (6 Weeks): 237, Downloads (12 Months): 1699, Dov

In this paper we review studies of the growth of the Internet and techn
 search and retrieval on the Web. We present data on the Internet from
 as well as projected number ...

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Keywords: Internet, World Wide Web, clustering, indexing, informatio
 search engine


3 [Tree pattern query minimization](#)[S. Amer-Yahia, S. Cho, L. V. S. Lakshmanan, D. Srivastava](#)December 2002 **The VLDB Journal — The International Journal on Ver****Publisher:** Springer-Verlag New York, Inc.Full text available: [Pdf](#) (263.59 KB)Additional Information: [full citation](#), [abstra](#)**Bibliometrics:** Downloads (6 Weeks): 3, Downloads (12 Months): 40, Downloa

Tree patterns form a natural basis to query tree-structured data such as
 efficiency of tree pattern matching, it is essential to quickly identify and
 pattern. In this paper, we study tree ...

Keywords: Query minimization, Tree patterns, XML

4 [Frontiers in electronic media](#)[Kim H. Veltman](#)July 1997 **Interactions**, Volume 4 Issue 4


Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (11.63 MB)

Additional Information: [full citation](#), [reference](#)


Bibliometrics: Downloads (6 Weeks): 22, Downloads (12 Months): 169, Downl

5 The SmartFrog configuration management framework

 Patrick Goldsack, Julio Guijarro, Steve Loughran, Alistair Coles, Andrew Fatt

January 2009 **SIGOPS Operating Systems Review**, Volume 43 Issue 1

Publisher: ACM

Full text available:  Pdf (866.54 KB)


Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 14, Downloads (12 Months): 171, Downl

SmartFrog is a framework for creating configuration-driven systems. Its purpose of making the design, deployment and management of distributed systems more robust. Over the last decade it ...

Keywords: SmartFrog, automation, autonomic computing, configuration lifecycle, management, scalability

6 Enabling the autonomic data center with a smart bare-metal server platform

 Arzhan Kinzhalov, Rodolfo Kohn, David Lombard, Ricardo Morin

June 2009 **ICAC '09: Proceedings of the 6th international conference on**

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (610.84 KB)


Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 13, Downloads (12 Months): 33, Downl

Ever increasing data center complexity poses a significant burden on IT infrastructure. Managing this complexity is unbearable without the help of self-managed systems that monitor their state in order to carry out business ...


Keywords: asset inventory, autonomic data center, bare metal, discovery environment, provisioning

7 The Claremont report on database research

 Rakesh Agrawal, Anastasia Ailamaki, Philip A. Bernstein, Eric A. Brewer, Michael J. Doan, Daniela Florescu, Michael J. Franklin, Hector Garcia-Molina, Johannes G. Hartmann, Joseph M. Hellerstein, Yannis E. Ioannidis, Hank F. Korth, Christopher D. Mead, Roger Magoulas, Beng Chin Ooi, Tim O'Reilly, Raghu Ramakrishnan, Sunita Rastogi, Alexander S. Szalay, Gerhard Weikum

September 2008 **SIGMOD Record**, Volume 37 Issue 3

Publisher: ACM

Full text available:  Pdf (414.61 KB)

Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 99, Downloads (12 Months): 624, Downl


In late May, 2008, a group of database researchers, architects, users and managers met in Berkeley, California to discuss the state of the research field and its future. This is the first meeting of this sort in ...

8 Online pairing of VoIP conversations

Michail Vlachos, Aris Anagnostopoulos, Olivier Verscheure, Philip S. Yu

January 2009 **The VLDB Journal — The International Journal on Very Large Data Bases**

Publisher: Springer-Verlag New York, Inc.

Full text available:  Pdf (1.53 MB)

Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 23, Downloads (12 Months): 78, Downloads

This paper answers the following question; given a multiplicity of evolving or an algorithm discern the conversational pairs in an online fashion, will communications? Our analysis ...

Keywords: Binary time-series clustering, Conversation pairing, Stream

9 Zodiac: efficient impact analysis for storage area networks

Aamrith Singh, Madhukar Korupolu, Kaladhar Yuruganti

December 2005 **FAST'05: Proceedings of the 4th conference on USENIX Technologies - Volume 4**, Volume 4


Publisher: USENIX Association

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downloads


Currently, the fields of impact analysis and policy based management are topics that are not being treated in an integrated manner. Policy-based by most storage vendors because it lets ...

10 Strategic directions in database systems—breaking out of the box

 Avi Silberschatz, Stan Zdonik

December 1996 **Computing Surveys (CSUR)**, Volume 28 Issue 4

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (222.64 KB)

Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 110, Downloads

11 Towards a resource management and service employment framework

Christos Chrysoulas, Evangelos Haleplidis, Giorgos Kostopoulos, Robert H. August 2008 **International Journal of Network Management**, Volume 18

Publisher: John Wiley & Sons, Inc.


Full text available:  Pdf (1.10 MB)

Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 18, Downloads

Owing to the increase in both heterogeneity and complexity in today's new network-based services architectures. They must provide flexibility deployment and execution of the services ...

12 Utilizing shared data in chip multiprocessors with the Nahalal architecture

 Zvi Katz, Idit Keldar, Avinoam Kolodny, Uri C. Weiser

June 2008 **SPAA '08: Proceedings of the twentieth annual symposium on architectures**

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (427.41 KB)

Additional Information: [full citation](#), [abstract](#)



Bibliometrics: Downloads (6 Weeks): 19, Downloads (12 Months): 161, Downloads

This paper addresses a new cache organization in a Chip Multiprocessor Nahalal, an architecture whose novel floorplan topology partitions cache versus private data), and thus enables ...

Keywords: cache memories, chip multiprocessors

13



[A service creation environment based on end to end composition of](#)

-  Vikas Agarwal, Koustuv Dasgupta, Neeran Karnik, Arun Kumar, Ashish Kumar
May 2005 **WWW '05: Proceedings of the 14th international conference on World Wide Web**
Publisher: ACM
Full text available:  Pdf (346.42 KB) **Additional Information:** [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 26, Downloads (12 Months): 300, Downloads



The demand for quickly delivering new applications is increasingly becoming a challenge. Application development is often done in an ad hoc manner, without systematically reusing resulting in poor reuse of software assets. ...

Keywords: Web services composition, planning, semantic Web


- 14 **Architecture of OMG MOF-based repository systems**
 Ilia Petrov, Alejandro Buchmann
November 2008 **IIWAS '08: Proceedings of the 10th International Conference on Web-based Applications & Services**
Publisher: ACM
Full text available:  Pdf (223.77 KB) **Additional Information:** [full citation](#), [abstract](#)
Bibliometrics: Downloads (6 Weeks): 11, Downloads (12 Months): 76, Downloads

Metadata repository systems store metadata in the form of models and describe a general architecture of a MOF repository system and describe its modular architectures of several existing MOF ...




Keywords: architecture, metadata, metadata repository systems

- 15 **NS2: networked searchable store with correctness**
 Radu Sion, Sumit Bajaj, Bogdan Carbutar, Stefan Katzenbeisser
September 2007 **VLDB '07: Proceedings of the 33rd international conference on Very Large Data Bases**
Publisher: VLDB Endowment
Full text available:  Pdf (145.76 KB) **Additional Information:** [full citation](#), [abstract](#)
Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 40, Downloads

In an outsourced data framework, we introduce and demonstrate mechanisms for managing items (documents) on an un-trusted server, while allowing for subsequent matching documents. The protocols provide ...

- 16 **Integrating the common information model with MDS4**
I. Diaz, G. Fernandez, M. J. Martin, P. Gonzalez, J. Tourino
September 2008 **GRID '08: Proceedings of the 2008 9th IEEE/ACM International Conference on Grid Computing - Volume 00**
Publisher: IEEE Computer Society
Full text available:  Pdf (446.82 KB) **Additional Information:** [full citation](#), [abstract](#)
Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 6, Downloads

The management and monitoring of static and dynamic resources is a key challenge in Grid Information models are an abstract representation of software and hardware resources and common and structured representation that allows ...


- 17 **Capturing analytic thought**
 John D. Lowrance, Ian W. Harrison, Andres C. Rodriguez
October 2001 **K-CAP '01: Proceedings of the 1st international conference on Knowledge Capture**
Publisher: ACM  Request Permissions
Full text available:  Pdf (239.05 KB) **Additional Information:** [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 47, Download

The survival of an enterprise often rests upon its ability to make correct complexity and uncertainty of the environment. Because of the difficulty methods in this context, decision makers ...


Keywords: analysis, evidential reasoning, knowledge management, sr

18 [Optimized dynamic semantic composition of services](#)

 Sorin M. Jacob, João Paulo A. Almeida, Maria E. Jacob

March 2008 **SAC '08: Proceedings of the 2008 ACM symposium on Applie**

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (1.68 MB)


[Additional Information: full citation, abstra](#)

Bibliometrics: Downloads (6 Weeks): 13, Downloads (12 Months): 150, Downl

This paper proposes a design for the optimized dynamic (re)composition requests and accounts for changes in user's context. The composition m descriptions of services' functionality to ...


Keywords: context-awareness, domain ontology, semantic similarity, s

19 [Standards for databases on the grid](#)

 Susan Malaika, Andrew Eisenberg, Jim Melton

September 2003 **SIGMOD Record** . Volume 32 Issue 3

Publisher: ACM

Full text available:  Pdf (104.72 KB)

[Additional Information: full citation, refere](#)


Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 46, Download

20 [vManage: loosely coupled platform and virtualization management ir](#)

 Sanjay Kumar, Vanish Talwar, Vibhore Kumar, Parthasarathy Ranganathan

June 2009 **ICAC '09: Proceedings of the 6th international conference on**

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (716.28 KB)

[Additional Information: full citation, abstra](#)

Bibliometrics: Downloads (6 Weeks): 31, Downloads (12 Months): 81, Downlo

Management is an important challenge for future enterprises. Previous v management (e.g., power and thermal management) separately from v machine (VM) provisioning, application performance). ...

Keywords: data-center, management, performance, power

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